

HD81 - Home Theater Projector

Definitive Color...Incredible Resolution...Ultimate Performance

The Optoma HD81 Projector and Video Processor Combination Creates the Greatest 1080p Picture in the Market

The Optoma HD81 combines the finest 1080p DLP® home theater projector with a studio-quality imaging processor. Featuring Texas Instruments' DarkChip3™ technology, the HD81 offers a superb projection solution. The HD81's two-piece design delivers remarkable, personalized adjustment setting to achieve deeper blacks, higher precision and brilliant high-contrast images.



Features

- Advanced 1080p DarkChip3 DMD DLP technology
- Bright 1400 lumens and 10000:1 contrast ratio delivers subtle details and vibrant images
- 16-step auto and manual iris
- Extensive connectivity options through image processor includes: three HDMI plus one external HDMI expansion, two BNC component (YPbPr/RGBHV), two component, three s-video, three composite video, one VGA, RS-232, two 12V triggers, one IR port extension
- This 2-piece design simplifies installation
- IR remote control with discrete IR codes for source and format, selection perfect for home theater automation
- ISFccc (Imaging Science Foundation's Certified Calibration Configuration) certified



Specifications

Brightness

1400 ANSI Lumens

Resolution

Native 1080p (1920 x 1080)

Contrast Ratio

10000:1

Image Processing

Motion Adaptive 480i, 576i, 720p and 1080i De-Interlacing, 10-bit Image Processing, Advanced 3D Comb Filter, Three Presets Plus Three Programmable Display Formats, Advanced Noise Reduction and Sharpening

Color Management

User Definable Gamma, RBGCMY 6-Color 16 Region Adjustment, Three User Definable Modes Plus ISFccc Color Settings

Lamp Life and Type

2000/3000 Hours (STD/ECO), 300W UHP

Display Type

Single 0.95" DarkChip3 LVDS DMD

Throw Ratio

1.85 – 2.22:1 (Distance/Width)

Displayable Colors

1.07 Billion Colors, 1024 Levels of Grayscale Adjustments

Projection Distance

4.92' to 32.8'

Image Size

30" to 300"

Aspect Ratio

Native 16:9

Keystone Correction

±5° Vertical

Uniformity

90%

Compatibility

SXGA, XGA, SVGA, VGA, NTSC, PAL, SECAM, VESA, Macintosh, PC, True HDTV (720p, 1080i/p) & 480i/p, 576i/p

Projection Lens

F/2.6-2.82; f=39.12-46.94mm, 1.2x Zoom

I/O Connection Ports

Projector: RS-232, HDMI
Video Processor: Three HDMI Plus One External HDMI Expansion, Two Component, Two BNC Component (YPbPr/RGBHV), Three S-Video, Three Composite Video, One VGA, RS-232, Two 12V Triggers, One IR Port Extension

Weight

Projector: 10 lbs (4.5kg)
Video Processor: 9.2 lbs (4.2 kg)

Dimensions (W x H x D)

Projector: 16" x 4.6" x 12.2"
 (411 x 116 x 311mm)

Video Processor: 17" x 2.5" x 12"
 (406 x 139 x 304mm)

Noise Level

32dB

Storage Temperature

-7 - 140°F (-20 - 60°C), 80% Maximum Humidity

Power Supply

AC input 90-264V, 50-60 Hz

Power Consumption

430W, < 12W (Standby)

Standard Accessories

Two AC Power Cords, Two HDMI Cables, Component Cable, Two RS-232 Cables, Remote Control, Batteries for Remote, External IR Module, User's Manual, Lens Cap, Warranty Card and Quick Start Card

Optional Accessories

Ceiling Mount, GrayWolf™ Series Screens, Carry Case and Gold Service Warranty

Warranty

3 Years Limited Parts and Labor, 90 Days on Lamp

UPC

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